Andrea Roberto Insinga - DTU Orbit (14/05/2019)

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Continuum Modelling and Testing

Research outputs:

**Lift Factor Analysis of Multifilamentary Coated Conductor Produced Using Two Level Undercut-Profile Substrates**
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

**A topology optimized switchable permanent magnet system**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Quantum heat engines: Limit cycles and exceptional points**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Two level undercut-profile substrate-based filamentary coated conductors produced using metal organic chemical vapor deposition**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Design, enhanced Thermal and Flow efficiency of a 2KW active magnetic regenerator**
Research output: Contribution to conference › Paper – Annual report year: 2017 › Research › peer-review

**Reply to "Comment on 'Performance of Halbach magnet with finite coercivity'”**
Research output: Contribution to journal › Comment/debate – Annual report year: 2016 › Research

**Topology optimized permanent magnet systems**
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

**Generating the optimal magnetic field for magnetic refrigeration**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

**Globally Optimal Segmentation of Permanent-Magnet Systems**
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

**Optimally segmented magnetic structures**
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review
Optimally segmented permanent magnet structures
Research output: Contribution to journal › Conference article – Annual report year: 2016 › Research › peer-review

Optimising Magnetostatic Assemblies

Performance of Halbach magnet arrays with finite coercivity
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Design and experimental tests of a rotary active magnetic regenerator prototype
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Effect of Temperature Step Size on Calculating the Magnetic Entropy Change
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Experimental Studies with an Active Magnetic Regenerating Refrigerator
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Optimization of Permanent Magnet Assemblies
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2015 › Research › peer-review

Optimization of Permanent Magnet Assemblies
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research

Performance-oriented Analysis of a Hybrid magnetic Assembly for a Heat-pump Magnetocaloric Device
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Projects:

Micromagnetism and permanent magnets
Poulsen, E. B., Bjørk, R., Insinga, A. R. & Nielsen, K. K.
01/04/2019 → 31/03/2022
Project: PhD

Harvesting Energy with Levitating Magnets
Imbaquingo Muñoz, C. E., Bjørk, R., Bahl, C. & Insinga, A. R.
01/01/2019 → 31/12/2021
Project: PhD
ATOMIS: Advanced tailoring of 3D microstructures for superconducting magnets
Wulff, A. C., Insinga, A. R., Grivel, J., Nielsen, P. H., Wichmann, M., Úsoskin, A. & Gömöry, F.
01/01/2017 → 01/01/2019
Project: Research

Optimised Hybrid Magnets
Forskningsrådssponsorering
01/06/2013 → 16/11/2016
Project: PhD

Activities:

**Delft Days on Magnetocalorics 2015**
Andrea Roberto Insinga (Participant)
2 Nov 2015 → 3 Nov 2015
Activity: Attending an event › Participating in or organising a conference

**European School of Magnetism**
Andrea Roberto Insinga (Participant)
24 Aug 2015 → 4 Sep 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.